



## DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.

Activity No.: PER20060001

Agency Interest No. 2093

Mr. Neil Sweet  
Plant Manager  
Amite Foundry and Machine, Inc.  
13040 Foulks Lane  
Amite, LA 70422

RE: Part 70 Operating Permit Renewal and Modification, Amite Foundry & Machine Inc.  
Amite Foundry and Machine Inc., Amite, Tangipahoa Parish, Louisiana

Dear Mr. Sweet:

This is to inform you that the permit renewal and modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the \_\_\_\_\_ of \_\_\_\_\_, 2012, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this \_\_\_\_\_ day of \_\_\_\_\_, 2007.

Permit No.: 2840-00032-V1

Sincerely,

Chuck Carr Brown Ph.D.  
Assistant Secretary  
CCB: mb  
c: EPA Region VI

**ENVIRONMENTAL SERVICES**

: PO BOX 4313, BATON ROUGE, LA 70821-4313

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**AIR PERMIT BRIEFING SHEET  
AIR PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Amite Foundry & Machine Inc  
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Amite, Tangipahoa Parish, Louisiana**

**I. Background**

Amite Foundry and Machine Inc. (AFM) purchased an inactive steel foundry near Amite in 1993 and restarted operations. The site was formally known as DBR Foundry which ceased operations in the late 1980's. The AFM Inc currently operates under Permit No. 2840-00032-V0, issued October 5, 1999.

This is the Part 70 operating permit for the facility.

**II. Origin**

A permit application and Emission Inventory Questionnaire were submitted by Amite Foundry and Machine Inc on May 19, 2006 requesting a Part 70 operating permit.

**III. Description**

AFM produces steel castings for sugar mill, automotive, shipping, railroad , and other industries. Two electric arc furnaces (EAFs) melt scrap steel. Melted metal is poured into chemically-bonded sand molds. Manufacturing operations include: core and mold making, metal pouring and cooling, casting shakeout and shot blasting, casting finishing (welding, grinding, cutting, and torching), casting machining, metal annealing operations, and minor painting (as required). Supplemental operations include pattern making and repair, quality assurance/quality control, x-ray, wastes handling, transportation, and maintenance operations.

The United States steel industry has started to recover from a depression it suffered for almost a decade. The revised market outlook and forecasts of AFM work orders indicate that this facility may not be able to comply with the previously requested production limits to maintain and improve profitability in the next five years. AFM therefore requests to increase the permitted production level from 20,000 tons to 27,950 tons of metal produced in the EAFs and to maintain the current status of the facility as a Major Source. AFM also requests to withdraw the Minor Source Permit applications submitted to LDEQ in April 2004, May 2005, and April 2006.

No changes in the method of operation are proposed in the application. The facility has the capacity to produce the required quantity of metal using current equipment and the established production operations. In order to produce the desirable amount of final product (castings), the existing pouring floor space must be expanded, which will be achieved by extending the

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existing buildings. The building extension is the only projected physical modification of the existing process.

AFM is and will remain a Minor Source of Hazardous Air Pollutants (HAP) at the proposed maximum production level. AFM specifically requests federally enforceable specific requirements to maintain the Minor HAP Source status of less than 10 tons per year for any single HAP and less than 25 tons per year for total HAPs.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM <sub>10</sub>	42.20	46.12	+3.92
SO <sub>2</sub>	2.64	3.68	+1.04
NO <sub>x</sub>	13.09	13.82	+0.73
CO	182.31	190.87	+8.56
VOC	27.19	50.49	+23.3
Total Toxic Air Pollutants (TAP)*	7.86	23.75	+15.89

LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Individual TAP*		<9.49	
Total TAP*	7.86	<23.75	+15.89

\*TAP includes all Louisiana Toxic Air Pollutants LAC 33:III.5112

**IV. Type of Review**

This permit was reviewed for compliance with 40 CFR 70, and the Louisiana Air Quality Regulations. Prevention of Significant Deterioration (PSD), New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAP) do not apply.

This facility is a minor source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

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**V. Credible Evidence**

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

**VI. Public Notice**

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 200X; and in the <local paper>, <local town>, on <date>, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

**VII. Effects on Ambient Air**

Dispersion Model(s) Used: None

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})

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**VIII. General Condition XVII Activities**

Work Activity	Schedule	Emission Rates - tons			
		PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>X</sub>	CO
EAF maintenance	Daily	0.05			0.05
Housekeeping procedures	Daily		1		
Filter replacement	As needed	0.1			
Casting loading and unloading	Daily	0.2			

**IX. Insignificant Activities**

ID No.:	Description	Citation
	Small combustion sources	LAC 33:III.501.B.5.A.1
	Core repair	LAC 33:III.501.B.5.D
	Pattern repair shop	LAC 33:III.501.B.5.D
	Oil/Water separator	LAC 33:III.501.B.5.D
	Water cooling tower	LAC 33:III.501.B.5.D
	East waste yard	LAC 33:III.501.B.5.D
	Propylene combustion	LAC 33:III.501.B.5.A.1

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**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III Chapter																
		5▲	9	11	13	15	17	21	2107	2111	2115	2116*	21xx	28	29*	51*	53*	56
GRP1	Entire Facility	1																3
EQT1	New sand system				1													
EQT2	Preheat/Heat transfer ovens			1	1	1												
EQT3	Reclaim sand system				1													
EQT4	Casting shakeout				1													
ARE1	Metal melting and refining					1	1											
ARE2	Core and mold making					1												
ARE3	Metal pouring and cooling						1	1										
ARE4	Casting cleaning (shot blasting)						1											
ARE5	Various metal painting							1				1						

\* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

**KEY TO MATRIX**

- 1 - The regulations have applicable requirements that apply to this particular emission source.
  - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61			40 CFR 63 NESHAP			40 CFR			
		A	K	Ka	Kb	Db	Dc	AAa	KKK	III	A	J	V	EEEE	MMMM	64	68
GRP1	Entire Facility													3	3	3	3
EQT1	New sand system							3									
EQT2	Preheat/Heat transfer ovens																
EQT3	Reclaim sand system																
EQT4	Casting shakeout																
ARE1	Metal melting and refining							3					3				
ARE2	Core and mold making											3					
ARE3	Metal pouring and cooling											3					
ARE4	Casting cleaning (shot blasting)											3					
ARE5	Various metal painting												3				

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**XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
GRP 1 Entire Facility	NSPS Subpart AAa Electric Arc Furnaces at Steel Plants [40 CFR 60.270a]  MACT Subparts MMMMM Surface Coating and Subpart EEEEE Foundries.	DOES NOT APPLY. Facility only casts finished products and not intermediates requiring further work.  DOES NOT APPLY. Facility is not a Major HAP source per U.S. EPA definitions.
	Chemical Accident Prevention and Minimization of Consequences [LAC 33.III.5909]	DOES NOT APPLY. AFM does not have a process that has a regulated substance present in more than the threshold quantity. None of LACK 33.III.Chapter 59 applies to AFM (see 40 CFR Part 68, above).
EQT 3 Reclaim Sand System	Compliance Assurance Monitoring (CAM) [40 CFR 64]	DOES NOT APPLY. The facility was not a major source for PM emissions. Also, pre-control device PTE is less than 100 tons/yr.
EQT 4 Casting Shakeout	MACT Subpart EEEEE Foundries.  Compliance Assurance Monitoring (CAM) [40 CFR 64]	DOES NOT APPLY. Facility is not a Major HAP source per U.S. EPA definitions.  DOES NOT APPLY. The facility was not a major source for PM emissions. Also, pre-control device PTE is less than 100 tons/yr.
ARE 1 Metal Melting and Refining	NSPS Subpart AAa Electric Arc Furnaces at Steel Plants [40 CFR 60.270a]  MACT Subpart EEEEE Foundries.  Compliance Assurance Monitoring (CAM) [40 CFR 64]	DOES NOT APPLY. Facility only casts finished products and not intermediates requiring further work.  DOES NOT APPLY. Facility is not a Major HAP source per U.S. EPA definitions.  DOES NOT APPLY. The facility was not a major source for PM emissions. Also, pre-control device PTE is less than 100 tons/yr.

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ARE 2 Core and Mold Making	MACT Subpart EEEEE Foundries.	DOES NOT APPLY. Facility is not a Major HAP source per U.S. EPA definitions.
ARE 3 Metal Pouring and Cooling	MACT Subpart EEEEE Foundries.  Emission Standards for Sulfur Dioxide LAC 33:III.1503	DOES NOT APPLY. Facility is not a Major HAP source per U.S. EPA definitions.  EXEMPT. Units emitting <250 tons/yr may be exempted by LDEQ (LAC 33:III.1503.C).
ARE 4 Casting Cleaning (Shot Blasting)	MACT Subpart EEEEE Foundries.  Compliance Assurance Monitoring (CAM) [40 CFR 64]	DOES NOT APPLY. Facility is not a Major HAP source per U.S. EPA definitions.  DOES NOT APPLY. The facility was not a major source for PM emissions. Also, pre-control device PTE is less than 100 tons/yr.
ARE 5 Various Metal Painting	MACT Subpart MMMMM Surface Coating.	DOES NOT APPLY. Facility is not a Major HAP source per U.S. EPA definitions.
ARE 1, ARE 3, EQT 2	Emission Standards for Sulfur Dioxide Emission Limitations [LAC 33:III.1503.C] Emission Standards for Sulfur Dioxide Continuous Emissions Monitoring [LAC 33:III.1511.A]	EXEMPT. Units emit less than 250 tons of SO <sub>2</sub> per year and are exempt from LAC 33:III.1503.C. Units emit less than 100 tons per year and are exempt from continuous monitoring. Record and retain at the site for at least 2 years the data required to demonstrate compliance with or exemption from the SO <sub>2</sub> standards of Chapter 15. Compliance data shall be reported annually in accordance with LAC 33:III.918.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

## 40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
  - 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
  - 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
  - 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and

## 40 CFR PART 70 GENERAL CONDITIONS

4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.  
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
  1. the date, place as defined in the permit, and time of sampling or measurements;
  2. the date(s) analyses were performed;
  3. the company or entity that performed the analyses;
  4. the analytical techniques or methods used;
  5. the results of such analyses; and
  6. the operating conditions as existing at the time of sampling or measurement.  
[Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an

## 40 CFR PART 70 GENERAL CONDITIONS

emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
  - 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
  - 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
  - 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
  - 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
  - 5. changes in emissions would not qualify as a significant modification; and
  - 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
  - 1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
  - 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

## 40 CFR PART 70 GENERAL CONDITIONS

3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
    - a. Report by June 30 to cover January through March
    - b. Report by September 30 to cover April through June
    - c. Report by December 31 to cover July through September
    - d. Report by March 31 to cover October through December
  4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
  2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
  3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
  4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
  5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
  6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

## **40 CFR PART 70 GENERAL CONDITIONS**

- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

## **LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated May 19, 2006.
- IV. This permit shall become invalid, for the sources not constructed, if:
  - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
  - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.  
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

**LOUISIANA AIR EMISSION PERMIT  
GENERAL CONDITIONS**

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
  - A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
  - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
  - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
    - 1. Report by June 30 to cover January through March
    - 2. Report by September 30 to cover April through June
    - 3. Report by December 31 to cover July through September
    - 4. Report by March 31 to cover October through December

## **LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS**

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
  2. Cause of noncompliance;
  3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
  4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
  5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.

XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:

- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
- B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
- C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
- D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.

XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

**LOUISIANA AIR EMISSION PERMIT  
GENERAL CONDITIONS**

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
  2. Be less than the minimum emission rate (MER)
  3. Be scheduled daily, weekly, monthly, etc., or
  4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division  
La. Dept. of Environmental Quality  
Post Office Box 4302  
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

**AI ID:** 2093 Amite Foundry & Machine Inc  
**Activity Number:** PER20060001  
**Permit Number:** 2840-00032-V1  
**Air - Title V Regular Permit Renewal**

Also Known As:	ID	Name	User Group	Start Date
	2840-00032	Ameri Cast Technology Inc (corp owner)	Air Permitting	12-23-2003
	2840-0032	Atchison Casting Corp (corp owner)	Air Permitting	06-20-2002
	72-1231325	Amite Foundry & Machine Inc	CDS Number	08-05-2002
	LADD985228972	Amite Foundry & Machine Inc	Emission Inventory	03-03-2004
	01189	Ross Steel Works	Federal Tax ID	05-19-1998
	01189	Amite Foundry & Steel Works	Hazardous Waste Notification	08-05-1993
	LAR05M55	WPC File Number	Inactive & Abandoned Sites	05-29-1992
	WP4593	WPC State Permit Number	Inactive & Abandoned Sites	05-29-1992
	LA-7631-L01	Radioactive Material License	LPDES Permit #	05-22-2003
	G-105-5897	LA Steelworks	LVDPS Permit #	06-25-2003
	G-105-5902	Amite Foundry	Radiation License Number	02-11-2000
	24088	Amite Foundry & Machine Inc	Solid Waste Facility No.	10-25-2001
	39053	Amite Foundry & Machine Inc	Solid Waste Facility No.	02-01-2000
	40576	Amite Foundry & Machine	TEMPO Merge	12-11-2000
	70422MTFND13040	TRI #	TEMPO Merge	12-11-2000
			Toxic Release Inventory	07-08-2004
			<b>Main FAX:</b> 5047487396	
			<b>Main Phone:</b> 9857485342	
<b>Physical Location:</b>		13040 Foulks Ln Amite, LA 704229209	<b>Phone (Type)</b>	
<b>Mailing Address:</b>		13040 Foulks Ln Amite, LA 704229209		
<b>Location of Front Gate:</b>		30° 45' 2" 0 hundredths latitude, 90° 30' 26" 0 hundredths longitude, Coordinate Method: Interpolation - Map, Coordinate Datum: NAD27		
<b>Related People:</b>		<b>Name</b>	<b>Mailing Address</b>	<b>Relationship</b>
	Sibyl Cannon	13040 Foulks Ln Amite, LA 70422	9857485342 Ext 117	Employed by
	Sibyl Cannon	13040 Foulks Ln Amite, LA 70422	SCANNON@AMERI	Employed by
	Sibyl Cannon	13040 Foulks Ln Amite, LA 70422	SCANNON@AMERI	Emission Inventory Contact for
	Sibyl Cannon	13040 Foulks Ln Amite, LA 70422	9857485342 Ext 117	Emission Inventory Contact for
	Bill Chase	13040 Foulks Ln Amite, LA 704229209	Water Billing Party for	
	J R Chavers			Employed by
	Stephen DeVine	13040 Foulks Lane Amite, LA 70422	9857485342 (NP)	Hazardous Waste Permit Contact For
	Stephen DeVine	13040 Foulks Lane Amite, LA 70422	9857485342 (NP)	Haz. Waste Billing Party for
	Ernest Hansen			Employed by
	Andrew Hodges	13040 Foulks Ln Amite, LA 704229209	9859745884 (CP)	Radiation Safety Officer for

General Information

**AI ID:** 2093 Amite Foundry & Machine Inc  
**Activity Number:** PER20060001  
**Permit Number:** 2840-00032-V1  
**Air - Title V Regular Permit Renewal**

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Andrew Hodges	13040 Foulks Ln Amite, LA 704229209	9857485342 (WP)	Radiation Safety Officer for
	Andrew Hodges	13040 Foulks Ln Amite, LA 704229209	9857485396 (WF)	Radiation Safety Officer for
	Andrew Hodges	13040 Foulks Ln Amite, LA 704229209	AHodges@America:	Radiation Safety Officer for
	Ken Huntington		9133672121 (WP)	Employed by
	Robert La Marrero		9855422040 (WP)	IASD Contact for
	Jeff Weatherly		9133672121 (WP)	Employed by
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Amite Foundry and Machine Inc	13040 Foulks Ln Amite, LA 70422		Air Billing Party for
	Amite Foundry and Machine Inc	13040 Foulks Ln Amite, LA 70422		Radiation License Billing Party for
	Atchison Casting Corp	PO Box 188 Atchison, KS 660020188	9133672121 (WP)	Owns
SIC Codes:	3325, Steel foundries, nec			

**Note:** This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

**AI ID: 2093 - Amite Foundry & Machine Inc**  
**Activity Number: PER20060001**  
**Permit Number: 2840-00032-V1**  
**Air - Title V Regular Permit Renewal**

## Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
ARE001	EG-01 - Metal Melting and Refining					8760 hr/yr (All Year)
ARE002	EG-03 - Core and Mold Making					8760 hr/yr (All Year)
ARE003	EG-04 - Metal Pouring and Cooling					8760 hr/yr (All Year)
ARE004	EG-05 - Casting Cleaning (Shot Blast)					8760 hr/yr (All Year)
ARE005	EU-02 - Various Metal Painting					8760 hr/yr (All Year)
EQT001	EG-02 - New Sand System					8760 hr/yr (All Year)
EQT002	EG-06 - Preheat/Heat Transfer Ovens					8760 hr/yr (All Year)
EQT003	EG-07 - Reclaim Sand System					8760 hr/yr (All Year)
EQT004	EU-01 - Casting Shakeout					8760 hr/yr (All Year)

## Subject Item Groups:

ID	Description	Included Components (from Above)
GRP001	Entire Facility	ARE1 EG-01 - Metal Melting and Refining
GRP001	Entire Facility	ARE2 EG-03 - Core and Mold Making
GRP001	Entire Facility	ARE3 EG-04 - Metal Pouring and Cooling
GRP001	Entire Facility	ARE4 EG-05 - Casting Cleaning (Shot Blast)
GRP001	Entire Facility	ARE5 EU-02 - Various Metal Painting
GRP001	Entire Facility	EQT1 EG-02 - New Sand System
GRP001	Entire Facility	EQT2 EG-06 - Preheat/Heat Transfer Ovens
GRP001	Entire Facility	EQT3 EG-07 - Reclaim Sand System
GRP001	Entire Facility	EQT4 EU-01 - Casting Shakeout

## Relationships:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
ARE001	EG-01 - Metal Melting and Refining	31.3	90000	48	15	200
ARE002	EG-03 - Core and Mold Making	3.8	1600	3	30	75
ARE003	EG-04 - Metal Pouring and Cooling	3.8	1600	3	30	75
ARE004	EG-05 - Casting Cleaning (Shot Blast)	55.6	30000	9	30	75
EQT001	EG-02 - New Sand System	66.7	4000	1	30	75
EQT002	EG-06 - Preheat/Heat Transfer Ovens	3.8	1600	3	30	75
EQT003	EG-07 - Reclaim Sand System	86.6	40000	7.7	18	75
EQT004	EU-01 - Casting Shakeout	86.6	40000	7.7	18	75

INVENTORIES

AI ID: 2093 - Amite Foundry & Machine Inc  
Activity Number: PER2006001  
Permit Number: 2840-00032-Y1  
Air - Title V Regular Permit Renewal

Fee Information:	Subj Item Id	Multplier	Units Of Measure	Fee Desc
	GRP001	1		0940 - Steel Foundries Not Elsewhere Classified A) 3,500 or More Ton/Yr Production

**EMISSION RATES FOR CRITERIA POLLUTANTS**

All ID: 2093 - Amiti Foundry & Machine Inc  
 Activity Number: PER2006001  
 Permit Number: 2840-00032-V1  
 Air - Title V Regular Permit Renewal

**All phases**

Subject Item	PM <sub>10</sub>			SO <sub>2</sub>			NOx			CO			VOC			
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	
ARE 001	4.07	6.21	17.82	0.77	11.52	3.35	0.83	12.43	3.62	28.01	421.39	122.69	1.12	16.80	4.89	
EG-01																
ARE 002	0.35	5.54	1.52											2.82	45.09	12.36
EG-03																
ARE 003	4.63	74.02	20.29	0.06	0.96	0.26	0.03	0.48	0.13	13.64	217.92	59.72	0.66	10.58	2.90	
EG-04																
ARE 004	0.05	0.82	0.22													
EG-05																
ARE 005	0.10	5.13	0.45											0.65	21.27	2.84
EU-02																
EQT 001	0.19	2.99	0.82													
EG-02																
EQT 002	0.17	1.06	0.77	0.01	0.08	0.06	2.30	14.00	10.07	1.93	11.76	8.46	0.13	0.77	0.55	
EG-06																
EQT 003	0.31	5.00	1.37													
EG-07																
EQT 004	0.65	10.43	2.86											6.15	98.36	26.96
EU-01																

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

**Permit Phase Totals:**

PM10: 46.12 tons/yr  
 SO2: 3.68 tons/yr  
 NOx: 13.82 tons/yr  
 CO: 190.87 tons/yr  
 VOC: 50.49 tons/yr

**Emission rates Notes:**

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

All ID: 2093 - Amite Foundry & Machine Inc  
 Activity Number: PER20060001  
 Permit Number: 2840-00032-V1  
 Air - Title V Regular Permit Renewal

**All phases**

Acetaldehyde		Benzene		Cresol		Dibutyl phthalate		Dimethyl naphthalene (DMN)				
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 002												
EG-03												
ARE 003				0.067	0.910	0.17	0.111	3.126	0.49			
EG-04												
ARE 005										0.004	0.699	0.02
EU-02												
EQT 004	0.007	0.100	0.03	0.623	8.461	2.73	2.055	29.05	9.00			
EU-01										0.005	0.061	0.02

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 2093 - Amite Foundry & Machine Inc  
 Activity Number: PER20060001  
 Permit Number: 2840-00032-V1  
 Air - Title V Regular Permit Renewal

**All phases**

Ethyl benzene			Formaldehyde			Glycol ethers (Table 51.1)			Methylnaphthalene			Naphthalene			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 002 Ec-03				0.05	0.81	0.22				0.78	12.51	3.43	0.21	3.34	0.92
ARE 003 Ec-04				0.003	0.046	0.01				0.004	0.057	0.01	0.006	0.081	0.02
ARE 005 EU-02	0.008	2.328	0.04				0.004	0.699	0.02				0.004	0.172	0.02
EQT 004 EU-01				0.032	0.430	0.14				0.039	0.530	0.17	0.055	0.752	0.24

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 2093 - Amite Foundry & Machine Inc  
 Activity Number: PER20060001  
 Permit Number: 2840-00032-V1  
 Air - Title V Regular Permit Renewal

**All phases**

Subject Item	Phenol			Styrene			Toluene			Xylene (mixed isomers)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 002 EG-03	0.21	3.36	0.92									
ARE 003 EG-04	0.136	1.846	0.35				0.015	0.208	0.04	0.012	0.164	0.03
ARE 005 EU-02							0.048	5.588	0.21	0.055	6.374	0.24
EQT 004 EU-01	1.263	17.157	5.53	0.015	0.200	0.06	0.142	1.931	0.62	0.112	1.521	0.49

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

**Permit Parameter Totals:****Emission Rates Notes:**

**SPECIFIC REQUIREMENTS**

AI ID: 2093 - Amite Foundry & Machine Inc  
**Activity Number:** PER20060001  
**Permit Number:** 2840-00032-V1  
**Air - Title V Regular Permit Renewal**

**ARE001 EG-01 - Metal Melting and Refining**

- 1 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305]
- 2 Total suspended particulate <= 28.24 lb/hr. The rate of emission shall be the total of all emission points from the source. [LAC 33:III.1311.B]
  - Which Months: All Year Statistical Basis: None specified
  - 3 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
  - 4 Which Months: All Year Statistical Basis: Six-minute average
  - 5 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.15.3]
  - 6 Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions. [LAC 33:III.1311.C]
  - 7 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]
  - 8 Which Months: All Year Statistical Basis: None specified
  - 9 Particulate matter (10 microns or less) >= 89.1 % removal efficiency from filter manufacturer's certification. [LAC 33:III.501.C.6]
  - 10 Chromium <= 0.006 lb/hr. [LAC 33:III.501.C.6]
  - 11 Chromium <= 0.09 lb/hr. [LAC 33:III.501.C.6]
  - 12 Chromium <= 0.03 tons/yr. [LAC 33:III.501.C.6]
  - 13 Manganese <= 0.827 lb/hr. [LAC 33:III.501.C.6]
  - 14 Manganese <= 0.24 tons/yr. [LAC 33:III.501.C.6]
  - 15 Manganese <= 0.055 lb/hr. [LAC 33:III.501.C.6]
  - 16 Which Months: All Year Statistical Basis: Hourly average

**ARE002 EG-03 - Core and Mold Making**

- 16 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305]

**SPECIFIC REQUIREMENTS**

**AI ID:** 2093 - Amite Foundry & Machine Inc  
**Activity Number:** PER20060001  
**Permit Number:** 2840-00032-V1  
**Air - Title V Regular Permit Renewal**

**ARE002 EG-03 - Core and Mold Making**

- 17 Total suspended particulate <= 5.43 lb/hr. The rate of emission shall be the total of all emission points from the source. [LAC 33:III.1311.B]
  - Which Months: All Year Statistical Basis: None specified
  - 18 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
    - Which Months: All Year Statistical Basis: Six-minute average

**ARE003 EG-04 - Metal Pouring and Cooling**

- 19 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305]
- 20 Total suspended particulate <= 30.81 lb/hr. The rate of emission shall be the total of all emission points from the source. [LAC 33:III.1311.B]
  - Which Months: All Year Statistical Basis: None specified
  - 21 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
    - Which Months: All Year Statistical Basis: Six-minute average
    - 22 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
      - 23 Chromium <= 0.005 lb/hr. [LAC 33:III.501.C.6]
        - Which Months: All Year Statistical Basis: Hourly average
        - 24 Chromium <= 0.064 lb/hr. [LAC 33:III.501.C.6]
          - Which Months: All Year Statistical Basis: Hourly maximum
          - 25 Chromium <= 0.02 tons/yr. [LAC 33:II.501.C.6]
            - Which Months: All Year Statistical Basis: Annual maximum
            - 26 Nickel <= 0.04 tons/yr. [LAC 33:III.501.C.6]
              - Which Months: All Year Statistical Basis: Annual maximum
              - 27 Nickel <= 0.008 lb/hr. [LAC 33:III.501.C.6]
                - Which Months: All Year Statistical Basis: Hourly average
                - 28 Nickel <= 0.108 lb/hr. [LAC 33:III.501.C.6]
                  - Which Months: All Year Statistical Basis: Hourly maximum
                  - 29 Manganese <= 0.156 lb/hr. [LAC 33:III.501.C.6]
                    - Which Months: All Year Statistical Basis: Hourly maximum
                    - 30 Manganese <= 0.05 tons/yr. [LAC 33:III.501.C.6]
                      - Which Months: All Year Statistical Basis: Annual maximum
                      - 31 Manganese <= 0.012 lb/hr. [LAC 33:III.501.C.6]
                        - Which Months: All Year Statistical Basis: Hourly average

**ARE004 EG-05 - Casting Cleaning (Shot Blast)**

- 32 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305]

**SPECIFIC REQUIREMENTS**

AI ID: 2093 - Amite Foundry &amp; Machine Inc

Activity Number: PER20060001

Permit Number: 2840-00032-V1

Air - Title V Regular Permit Renewal

**ARE004 EG-05 - Casting Cleaning (Shot Blast)**

- 33 Total suspended particulate  $\leq 1.49 \text{ lb/hr}$ . The rate of emission shall be the total of all emission points from the source. [LAC 33:III.1311.B]  
 34 Which Months: All Year Statistical Basis: None specified  
 34 Opacity  $\leq 20$  percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average  
 35 Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified  
 36 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]  
 37 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified  
 38 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]  
 39 Particulate matter (10 microns or less)  $\geq 99\%$  removal efficiency from filter manufacturer's certification. [LAC 33:III.501.C.6]  
 Which Months: All Year Statistical Basis: None specified

**ARE005 EU-02 - Various Metal Painting**

- 40 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305]  
 41 Opacity  $\leq 20$  percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average  
 42 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify exemption from LAC 33:III.2123. Maintain records for at least two years. [LAC 33:III.2123.F]

**EQT001 EG-02 - New Sand System**

- 43 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305]  
 44 Total suspended particulate  $\leq 3.59 \text{ lb/hr}$ . The rate of emission shall be the total of all emission points from the source. [LAC 33:III.1311.B]  
 45 Which Months: All Year Statistical Basis: None specified  
 45 Opacity  $\leq 20$  percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]  
 Which Months: All Year Statistical Basis: Six-minute average

**EQT002 EG-06 - Preheat/Heat Transfer Ovens**

**SPECIFIC REQUIREMENTS**

AI ID: 2093 - Amite Foundry &amp; Machine Inc

Activity Number: PER20060001

Permit Number: 2840-00032-V1

Air - Title V Regular Permit Renewal

**EQT002 EG-06 - Preheat/Heat Transfer Ovens**

- 46 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305]
- 47 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average
- 48 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]
- Which Months: All Year Statistical Basis: None specified
- 49 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

**EQT003 EG-07 - Reclaim Sand System**

- 50 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305]
- 51 Total suspended particulate <= 5.06 lb/hr. The rate of emission shall be the total of all emission points from the source. [LAC 33:III.1311.B]
- Which Months: All Year Statistical Basis: None specified
- 52 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average
- 53 Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 54 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 55 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 56 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 57 Particulate matter (10 microns or less) >= 96.1 % removal efficiency from filter manufacturer's certification. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified

**EQT004 EU-01 - Casting Shakeout**

- 58 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305]
- 59 Total suspended particulate <= 8.29 lb/hr. The rate of emission shall be the total of all emission points from the source. [LAC 33:III.1311.B]
- Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

AI ID: 2093 - Amite Foundry & Machine Inc  
**Activity Number:** PER20060001  
**Permit Number:** 2840-00032-V1  
**Air - Title V Regular Permit Renewal**

**EQI004 EU-01 - Casting Shakeout**

- 60 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average
- 61 Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 62 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 63 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 64 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 65 Particulate matter (10 microns or less) >= 90.3 % removal efficiency from filter manufacturer's certification. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified

**GRP001 Entire Facility**

- 66 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]
- 67 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]
- 68 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]
- 69 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]
- 70 Equipment/operational data monitored by technically sound method continuously. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 71 Carbon monoxide <= 190.87 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 72 Nitrogen oxides <= 13.82 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 73 Particulate matter (10 microns or less) <= 46.12 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 74 Sulfur dioxide <= 3.68 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 75 VOC, Total <= 50.49 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum

**SPECIFIC REQUIREMENTS**

**AI ID: 2093 - Amite Foundry & Machine Inc**  
**Activity Number: PER20060001**  
**Permit Number: 2840-00032-V1**  
**Air - Title V Regular Permit Renewal**

**GRF001      Entire Facility**

- 76 Production rate  $\leq$  27950 tons/yr of metal produced in the Electric Arc Furnaces (EAFs). Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the production rate exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
- 77 Which Months: All Year   Statistical Basis: None specified  
 Production rate recordkeeping by electronic or hard copy monthly. Keep records of the total tons of metal produced in the Electric Arc Furnaces each month, as well as the total tons of metal produced in the Electric Arc Furnaces for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
- 78 Submit report: Due annually, by the 31st of March. Report the total tons/yr of metal produced in the Electric Arc Furnaces for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 79 Individual Toxic air pollutants (TAP)  $<$  9.49 tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the emission rates of individual toxic air pollutants (TAP) exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
- 80 Which Months: All Year   Statistical Basis: None specified  
 Individual Toxic air pollutants (TAP) monitored by calculations continuously. [LAC 33:III.501.C.6]
- 81 Which Months: All Year   Statistical Basis: None specified  
 Individual Toxic air pollutants (TAP) recordkeeping by electronic or hard copy monthly. Keep records of the total tons emitted of individual toxic air pollutants (TAP) for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
- 82 Submit report: Due annually, by the 31st of March. Report the total tons emitted of individual toxic air pollutants (TAP) for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 83 Combined Toxic air pollutants (TAP)  $\leq$  23.75 tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the emission rate of combined toxic air pollutants (TAP) exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
- 84 Which Months: All Year   Statistical Basis: None specified  
 Combined Toxic air pollutants (TAP) monitored by calculations continuously. [LAC 33:III.501.C.6]
- 85 Which Months: All Year   Statistical Basis: None specified  
 Combined Toxic air pollutants (TAP) recordkeeping by electronic or hard copy monthly. Keep records of the total tons emitted of combined toxic air pollutants (TAP) each month, as well as the total tons emitted of combined toxic air pollutants (TAP) for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
- 86 Submit report: Due annually, by the 31st of March. Report the total tons emitted of combined toxic air pollutants (TAP) for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 87 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority. [LAC 33:III.5611.A]
- 88 During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations. [LAC 33:III.5611.B]
- 89 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]
- 90 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]

## **SPECIFIC REQUIREMENTS**

**AI ID:** 2093 - Amite Foundry & Machine Inc  
**Activity Number:** PER20060001  
**Permit Number:** 2840-00032-V1  
**Air - Title V Regular Permit Renewal**

### **GRP001**      **Entire Facility**

- 91 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 92 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 93 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]

## Worksheet for Technical Review of Working Draft of Proposed Permit

|                |                               |                              |   |                    |             |
|----------------|-------------------------------|------------------------------|---|--------------------|-------------|
| Company Name:  | Amité Foundry & Machine, Inc. | AI #:                        | 2093  | TEMPO Activity No: | PER20060001 |
| Facility Name: | Amite Foundry                 | Remarks Submitted by:        | AmeriCast Technologies; Sage Environmental Consulting |                    |             |
| Permit Writer: | Mark Browning                 | Permit Writer Email address: | mbrowning@MAIL.LA.GOV                                 |                    |             |

### Instructions

**Permit Reference** – Indicate specific portion(s) of the permit to which the remark relates (i.e. “Specific Condition 120”, or “Section II Air Permit Briefing Sheet”, etc.).

**Remarks** – Explain the basis for each remark. Provide regulatory citations where possible. If the remark is made due to an error or omission in the permit application this must be noted and the revised information **must be submitted**. Revised information may be submitted separately from this worksheet. Please be aware that revised information must be submitted in writing and certified by the Responsible Official, and if necessary, by a Professional Engineer licensed in Louisiana. *Please Note:* New or additional equipment, processes or operating conditions not addressed in the original permit application will be addressed on a case-by-case basis. The Department reserves the right to address such changes in a separate permit action.

**DEQ Response – DO NOT COMPLETE THIS SECTION.** This section will be completed by Air Permits Division of DEQ, included in the proposed permit package and made available for public review during the public comment period.

- Additional rows may be added as necessary.
- Completed Form shall be emailed to the Permit writer in MS Word compatible format within the deadline specified in the email notification.

| Permit Reference   | Remarks  | Air Permits Division Response<br>(for official use only)  |
|--|--|---|
| Cover Letter, Section “Re:”  | Replace “Part 70 Permit Renewal, Amité Foundry & Machine Inc” with “Part 70 Permit Renewal and Modification, AmeriCast Technologies, Inc.”                               | Renewal and Modification included in the permit. Company name changes require the submission of a Change of Ownership form. |
| Cover Letter   | Replace “permit <modification>” with “permit renewal and modification”.  | Included in the permit document.  |
| Air Permit Briefing Sheet, All Headings<br>(Pages 1-8), 1 <sup>st</sup> line | Replace “Amité Foundry & Machine Inc” above the Agency Interest No. line with “AmeriCast Technologies, Inc.”.  | Not Included. Company name changes require the submission of a Change of Ownership form.                                    |
| Air Permit Briefing Sheet, Section I,<br>1 <sup>st</sup> line                | Replace “Amité Foundry & Machine Inc, Amité Foundry & Machine Foundry & Machine Inc” in the first line with “AmeriCast Technologies, Inc., Amité Foundry & Machine Inc”. | Not Included. Company name changes require the submission of a Change of Ownership form.                                    |
| Air Permit Briefing Sheet, Section III,<br>3 <sup>rd</sup> paragraph         | Replace the owner company with “AmeriCast Technologies, Inc.”.   | Not Included. Company name changes require the submission of a Change of Ownership form.                                    |
| (Continued on the next page.)  |  |   |

| Permit Reference   | Remarks   | Air Permits Division Response<br>(for official use only)   |
|--|---|--|
| Air Permit Briefing Sheet, Section X, LDEQ Table 1 (Page 6)  | Correct the citation, 40 CFR 63 NESHAP Subpart for Miscellaneous Metal Surface Coating with MMMM, instead of MMMMM.   | Included in the permit document.   |
| Air Permit Briefing Sheet, Section XI, LDEQ Table 2 (Page 7); "Requirements" description for ID No.: GRP1  | Correct the citation 40 CFR 63 NESHAP Subpart for Miscellaneous Metal Surface Coating with MMMM, instead of MMMMM.  | Included in the permit document.   |
| Air Permit Briefing Sheet, Section XI, LDEQ Table 2 (Page 7)   | No citation for non-applicability of potentially applicable requirement for EQT2, Preheat/Heat Transfer Ovens. Suggest including the following line for EQT2 for consistency with ARE1 and ARE3 "Requirement" description: "Emission Standards for Sulfur Dioxide LAC 33:III.1503" and provide the following "Notes" description: "EXEMPT. Units emitting >250 tons/yr may be exempted by LDEQ (LAC 33:III.1503.C)."                      | Included in the permit document.   |
| Air Permit Briefing Sheet, Section XI, LDEQ Table 2 (Page 8); "Requirements" description for ID No.: ARE 5 | Correct the citation 40 CFR 63 NESHAP Subpart for Miscellaneous Metal Surface Coating with MMMM, instead of MMMMM.  | Included in the permit document.   |
| Statement of Basis, header on all pages  | Replace the owner company with "AmeriCast Technologies, Inc.".  | Not Included. Company name changes require the submission of a Change of Ownership form.   |
| Statement of Basis, Section V  | The document states that "a permit shield was not requested." ACT and AFM request a permit shield for all requirements listed in the Air Permit Briefing Sheet, Section XI, LDEQ Table 2 (Pages 7 and 8).   | Not Included. Permit Shield is only needed for facilities that cannot meet applicable requirements and thus operate under alternative means.   |
| Table "Emission Rates for TAP/HAP & Other Pollutants," (Page 1 of 3)                                       | The average hourly and annual emission rates for Cresols included in the table are incorrect. Per the EIQ forms submitted with the application, the average emissions are 0.230 lb/hr for ARE 003 and 2.138 lb/hr for EQT 004. The annual emissions are 0.59 tpy for ARE 003 and 9.37 tpy for EQT 004.  | Not Included. Emissions for Cresol were adjusted for the facility to meet the requested TAP cap.   |
| Air Permit Briefing Sheet, Section III (Page 2)  | The Total TAPs should equal 23.63 tpy, not 23.75 tpy, per Section 3-1 of the application. Therefore, the total change should be 15.77 tpy, not 15.89 tpy.   | Not Included. The cap limit is 95% of the major source thresholds.   |
| Statement of Basis, Section III  | The Total TAPs should equal 23.63 tpy, not 23.75 tpy, per Section 3-1 of the application. Therefore, the total change should be 15.77 tpy, not 15.89 tpy.   | Not Included. The cap limit is 95% of the major source thresholds.   |
| Table "Emission Rates for TAP/HAP & Other Pollutants," Emission Point EG-04 (Page 1 of 3)                  | The total emission rate for Cresol is listed incorrectly in the permit. The average (lb/hr), maximum (lb/hr), and annual (ton/yr) for m,p-Cresol equals 0.222 lb/hr, 3,009 lb/hr, and 0.56 tpy; for o-Cresol, the correct values are 0.009 lb/hr, 0.118 lb/hr, and 0.02 tpy. Total emission rates should equal 0.231 lb/hr, 3,127 lb/hr, and 0.58 tpy, instead of emission rates 0.111 lb/hr, 3,126 lb/hr, and 0.49 tpy for total Cresol. | Not Included. Emissions for Cresol were adjusted for the facility to meet the requested TAP Cap. The emissions for all isomers of Cresol are to be combined for TAP evaluation. Isomer splitting is not allowed. |
|  |   | (Continued on the next page.)  |

| Permit Reference  | Remarks   | Air Permits Division Response<br>(for official use only)   |
|---|---|--|
| Table "Emission Rates for TAP/HAP & Other Pollutants," Emission Point EU-01 (Page 1 of 3) | The total emission rate for Cresol is listed incorrectly in the permit. The average (lb/hr), maximum (lb/hr), and annual (ton/yr) for m,p-Cresol equals 2.059 lb/hr, 27.969 lb/hr, and 9.02 tpy; for o-Cresol, the correct values are 0.081 lb/hr, 1.095 lb/hr, and 0.35 tpy. Total emission rates should equal 2.140 lb/hr, 29.064 lb/hr, and 9.37 tpy, instead of emission rates 2.055 lb/hr, 29.05 lb/hr, and 9.00 tpy for total Cresol. | Not Included. Emissions for Cresol were adjusted for the facility to meet the requested TAP Cap. The emissions for all isomers of Cresol are to be combined for TAP evaluation. Isomer splitting is not allowed. |
| Table "Emission Rates for TAP/HAP & Other Pollutants," Emission Point EG-01               | Pollutant emissions for the following toxic air pollutants should be included in the permit: Copper, Cadmium, Chromium, Lead, Manganese, and Nickel.  | Not Included. All Chapter 51 TAP are included in the operating permit due to the TAP Cap. Additionally, these pollutants are <0.01 tons per year.  |
| Table "Emission Rates for TAP/HAP & Other Pollutants," Emission Point EG-03               | Pollutant emissions for the following toxic air pollutant should be included in the permit: Diisocyanates.  | Not Included. All Chapter 51 TAP are included in the operating permit due to the TAP Cap. Additionally, these pollutants are <0.01 tons per year.  |
| Table "Emission Rates for TAP/HAP & Other Pollutants," Emission Point EG-04               | Pollutant emissions for the following toxic air pollutants should be included in the permit: Dimethylnaphthalenes, Styrene, Acetaldehyde, Acrolein, Copper, Beryllium, Cadmium, Chromium, Cobalt, Lead, Manganese, Nickel, and Zinc.  | Not Included. All Chapter 51 TAP are included in the operating permit due to the TAP Cap. Additionally, these pollutants are <0.01 tons per year.  |
| Table "Emission Rates for TAP/HAP & Other Pollutants," Emission Point EG-05               | Pollutant emissions for the following toxic air pollutants should be included in the permit: Chromium, Manganese, and Nickel.   | Not Included. All Chapter 51 TAP are included in the operating permit due to the TAP Cap. Additionally, these pollutants are <0.01 tons per year.  |
| Table "Emission Rates for TAP/HAP & Other Pollutants," Emission Point EG-06               | Pollutant emissions for the following toxic air pollutants should be included in the permit: Formaldehyde, Naphthalene, Toluene, Benzene, Copper, Beryllium, Cadmium, Chromium, Cobalt, Lead, Manganese, Nickel, and Zinc.  | Not Included. All Chapter 51 TAP are included in the operating permit due to the TAP Cap. Additionally, these pollutants are <0.01 tons per year.  |
| Table "Emission Rates for TAP/HAP & Other Pollutants," Emission Point EU-02               | Pollutant emissions for the following toxic air pollutant should be included in the permit: Butanol.  | Not Included. All Chapter 51 TAP are included in the operating permit due to the TAP Cap. Additionally, these pollutants are <0.01 tons per year.  |